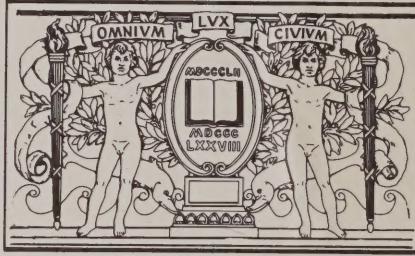


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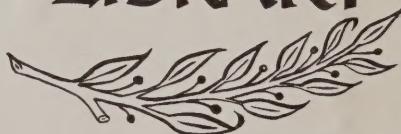
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BOSTON BUSINESS TRENDS
1981 Update

Jeffrey Brown
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Boston Redevelopment Authority
Research Department

July 1983

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This brief update of "Boston Business Trends" (December 1982) incorporates the most recent data (1981) from County Business Patterns, Massachusetts.¹ The nine tables provide a profile of economic structure and trends for Suffolk County² and Massachusetts 1970-76 and 1976-81. The selected years highlight the distinct experiences during the national recessions of 1970-71 and 1974-75, the recovery 1976-1980 and subsequent downturn in 1981.

Suffolk County fared poorly during the recessions of the 1970s. Its sixteen percent decline in employment was harsh compared to the three percent decline in Massachusetts (see Tables 4B, 9B).

However, from 1976-1981, Suffolk County expanded its employment by sixteen percent while the Commonwealth grew at a rate of 23 percent. Over the five years, the County maintained a twenty percent share of private employment in Massachusetts (see Tables 5A, B).

In terms of economic structure, the Commonwealth's manufacturing sector maintained a large role (29 percent in 1981), while Suffolk County's manufacturing sector dropped to twelve percent of total employment (Tables 2A, 7A). From 1970-1981, wholesale and retail trade held constant shares of total state employment, but a shrinking portion of Suffolk County employment (see Tables 2B, 7B).

Suffolk County's specialization in services and finance was evident (Table 2B): the two sectors accounted for 56 percent of County private employment in 1981. In contrast, services and finance made up 36 percent of Massachusetts employment.

¹ U.S. Department of Commerce, Bureau of the Census, County Business Patterns, Massachusetts, 1981.

² Boston accounts for 96 percent of Suffolk County employment.

TABLE 1A

SUFFOLK COUNTY
COUNTY BUSINESS PATTERNS 1970-1981
EMPLOYMENT BY TYPE OF BUSINESS

SIC	INDUSTRY	SUFFOLK COUNTY		
		1970	1976	1981
--	CNT.CONSTRUCTION	20,427	11,429	24,752
--	MANUFACTURING	84,172	56,770	54,290
20	FOOD & KINDRED	11,633	7,716	5,372
22	TEXTILES	915	712	944
23	APPAREL	12,424	8,533	7,439
25	FURNITURE & FIX.	1,640	838	755
26	PAPER	2,432	1,628	1,385
27	PRINT.& PUBLISH.	15,722	12,289	13,033
28	CHEMICALS	1,381	1,441	1,499
30	RUBBER & PLAST.	1,550	1,157	1,065
31	LEATHER	4,218	1,804	981
33	PRIMARY METAL	929	525	427
34	FABRICATED METAL	5,755	4,291	4,584
35	MACHINERY EX.ELEC	6,193	3,322	3,900
36	ELEC.EQUIP.	5,613	1,783	2,739
37	TRANSP.EQUIP.	900	838	1,024
38	INSTRUMENTS	2,320	1,768	1,714
39	MISC.MANUF.	2,485	1,578	1,483
--	TRANSP.&PUB.UTIL.	47,693	37,733	36,163
41	LOCAL INTERURBAN	9,592	7,960	1,956
42	TRUCKING & WAREH.	6,110	3,389	2,933
45	TRANSP.BY AIR	7,222	6,363	8,875
47	TRANSP.SERV.	1,495	2,064	2,901
48	COMMUNICATION	15,645	D	12,828

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 1B
SUFFOLK COUNTY
COUNTY BUSINESS PATTERNS 1970-1981
EMPLOYMENT BY TYPE OF BUSINESS

SIC	INDUSTRY	SUFFOLK COUNTY		
		1970	1976	1981
--	WHOLESALE TRADE	40,419	23,809	23,963
--	RETAIL TRADE	70,812	55,529	58,802
53	GEN.MERCHANDISE	18,717	9,352	6,120
54	FOOD STORES	8,550	7,506	7,904
55	AUTO DEALERS-SERV	3,873	3,271	2,642
56	APPAREL	6,462	4,171	3,587
57	FURNITURE	2,265	1,595	1,288
58	EATING&DRINKING	17,344	16,542	23,532
59	MISC.RETAIL	7,952	9,482	9,495
--	FIN.INS.REAL E.	70,573	66,700	68,665
60	BANKING	17,857	14,388	17,208
61	CREDIT AGENC.	1,924	1,569	D
62	SEC.COMM.BROKERS	6,301	5,884	6,634
63	INSUR.CARRIERS	33,248	32,046	25,784
64	INSUR.AGENTS	4,475	4,827	6,242
65	REAL ESTATE	5,446	6,249	7,535
67	HOLDING&OTH.INVST	1,250	1,034	2,096
--	SERVICES	131,019	138,926	182,970
70	HOTELS & LODG.	6,828	3,583	5,813
72	PERSONAL SERV.	5,996	4,376	4,367
73	BUSINESS SERV.	24,114	23,669	32,575
75	AUTO REPAIR	3,480	3,036	3,426
76	MISC.REPAIR	1,294	916	1,070
78	MOTION PICT.	2,415	1,812	D
79	AMUSEMENT & REC.	1,983	2,202	3,519
80	HEALTH SERVICES	38,376	44,137	57,590
81	LEGAL SERVICES	4,692	5,598	8,653
82	EDUCATIONAL SERV.	15,025	18,304	28,868
83	SOCIAL & NON-PROF	13,593	14,146	12,093
84	MUSEUMS	418	D	1,096
89	MISC.SERVICES	12,248	14,980	14,047
--	TOTAL ALL SECTORS	466,985	391,499	452,189

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 2A

SUFFOLK COUNTY
 COUNTY BUSINESS PATTERNS 1970-1981
 PERCENT DISTRIBUTION OF EMPLOYMENT BY TYPE OF BUSINESS

SIC	INDUSTRY	SUFFOLK COUNTY		
		1970	1976	1981
--	CNT.CONSTRUCTION	4.4	2.9	5.5
--	MANUFACTURING	18.0	14.5	12.0
20	FOOD & KINDRED	2.5	2.0	1.2
22	TEXTILES	0.2	0.2	0.2
23	APPAREL	2.7	2.2	1.6
25	FURNITURE & FIX.	0.4	0.2	0.2
26	PAPER	0.5	0.4	0.3
27	PRINT.& PUBLISH.	3.4	3.1	2.9
28	CHEMICALS	0.3	0.4	0.3
30	RUBBER & PLAST.	0.3	0.3	0.2
31	LEATHER	0.9	0.5	0.2
33	PRIMARY METAL	0.2	0.1	0.1
34	FABRICATED METAL	1.2	1.1	1.0
35	MACHINERY EX.ELEC	1.3	0.8	0.9
36	ELEC.EQUIP.	1.2	0.5	0.6
37	TRANSP.EQUIP.	0.2	0.2	0.2
38	INSTRUMENTS	0.5	0.5	0.4
39	MISC.MANUF.	0.5	0.4	0.3
--	TRANSP.&PUB.UTIL.	10.2	9.6	8.0
41	LOCAL INTERURBAN	2.1	2.0	0.4
42	TRUCKING & WAREH.	1.3	0.9	0.6
45	TRANSP.BY AIR	1.5	1.6	2.0
47	TRANSP.SERV.	0.3	0.5	0.6
48	COMMUNICATION	3.4	D	2.8

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 2B

SUFFOLK COUNTY
COUNTY BUSINESS PATTERNS 1970-1981
PERCENT DISTRIBUTION OF EMPLOYMENT BY TYPE OF BUSINESS

SIC	INDUSTRY	SUFFOLK COUNTY		
		1970	1976	1981
--	WHOLESALE TRADE	8.7	6.1	5.3
--	RETAIL TRADE	15.2	14.2	13.0
53	GEN. MERCHANDISE	4.0	2.4	1.4
54	FOOD STORES	1.8	1.9	1.7
55	AUTO DEALERS-SERV	0.8	0.8	0.6
56	APPAREL	1.4	1.1	0.8
57	FURNITURE	0.5	0.4	0.3
58	EATING&DRINKING	3.7	4.2	5.2
59	MISC. RETAIL	1.7	2.4	2.1
--	FIN. INS. REAL E.	15.1	17.0	15.2
60	BANKING	3.8	3.7	3.8
61	CREDIT AGENC.	0.4	0.4	D
62	SEC. COMM. BROKERS	1.3	1.5	1.5
63	INSUR. CARRIERS	7.1	8.2	5.7
64	INSUR. AGENTS	1.0	1.2	1.4
65	REAL ESTATE	1.2	1.6	1.7
67	HOLDING&OTH. INVST	0.3	0.3	0.5
--	SERVICES	28.1	35.5	40.5
70	HOTELS & LODG.	1.5	0.9	1.3
72	PERSONAL SERV.	1.3	1.1	1.0
73	BUSINESS SERV.	5.2	6.0	7.2
75	AUTO REPAIR	0.7	0.8	0.8
76	MISC. REPAIR	0.3	0.2	0.2
78	MOTION PICT.	0.5	0.5	D
79	AMUSEMENT & REC.	0.4	0.6	0.8
80	HEALTH SERVICES	8.2	11.3	12.7
81	LEGAL SERVICES	1.0	1.4	1.9
82	EDUCATIONAL SERV.	3.2	4.7	6.4
83	SOCIAL & NON-PROF	2.9	3.6	2.7
84	MUSEUMS	0.1	D	0.2
89	MISC. SERVICES	2.6	3.8	3.1
--	TOTAL ALL SECTORS	100.0	100.0	100.0

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 3A
 SUFFOLK COUNTY
 COUNTY BUSINESS PATTERNS 1970-1981
 CHANGE IN NUMBER OF EMPLOYEES

SIC	INDUSTRY	SUFFOLK COUNTY	
		1970-76	1976-81
—	CNT.CONSTRUCTION	—	8,998 13,323
—	MANUFACTURING	—	27,402 2,480
20	FOOD & KINDRED	—	3,917 2,344
22	TEXTILES	—	203 232
23	APPAREL	—	3,891 1,094
25	FURNITURE & FIX.	—	802 83
26	PAPER	—	804 243
27	PRINT.& PUBLISH.	—	3,433 744
28	CHEMICALS	—	60 58
30	RUBBER & PLAST.	—	393 92
31	LEATHER	—	2,414 823
33	PRIMARY METAL	—	404 98
34	FABRICATED METAL	—	1,464 293
35	MACHINERY EX.ELEC	—	2,871 578
36	ELEC.EQUIP.	—	3,830 956
37	TRANSP.EQUIP.	—	62 186
38	INSTRUMENTS	—	552 54
39	MISC.MANUF.	—	907 95
—	TRANSP.&PUB.UTIL.	—	9,960 1,570
41	LOCAL INTERURBAN	—	1,632 6,004
42	TRUCKING & WAREH.	—	2,721 456
45	TRANSP.BY AIR	—	859 2,512
47	TRANSP.SERV.	—	569 837
48	COMMUNICATION	D	D

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 3B

SUFFOLK COUNTY
COUNTY BUSINESS PATTERNS 1970-1981
CHANGE IN NUMBER OF EMPLOYEES

SIC	INDUSTRY	SUFFOLK COUNTY	
		1970-76	1976-81
--	WHOLESALE TRADE	- 16,610	154
--	RETAIL TRADE	- 15,283	3,273
53	GEN. MERCHANTISE	- 9,365	- 3,232
54	FOOD STORES	- 1,044	398
55	AUTO DEALERS-SERV	- 602	- 629
56	APPAREL	- 2,291	- 584
57	FURNITURE	- 670	- 307
58	EATING&DRINKING	- 802	6,990
59	MISC. RETAIL	1,530	13
--	FIN. INS. REAL E.	- 3,873	1,965
60	BANKING	- 3,469	2,820
61	CREDIT AGENC.	- 355	D
62	SEC. COMM. BROKERS	- 417	750
63	INSUR. CARRIERS	- 1,202	- 6,262
64	INSUR. AGENTS	352	1,415
65	REAL ESTATE	803	1,286
67	HOLDING&OTH. INVST	- 216	1,062
--	SERVICES	7,907	44,044
70	HOTELS & LODG.	- 3,245	2,230
72	PERSONAL SERV.	- 1,620	- 9
73	BUSINESS SERV.	- 445	8,906
75	AUTO REPAIR	- 444	390
76	MISC. REPAIR	- 378	154
78	MOTION PICT.	- 603	D
79	AMUSEMENT & REC.	219	1,317
80	HEALTH SERVICES	5,761	13,453
81	LEGAL SERVICES	906	3,055
82	EDUCATIONAL SERV.	3,279	10,564
83	SOCIAL & NON-PROF	553	- 2,053
84	MUSEUMS	D	D
89	MISC. SERVICES	2,732	- 933
--	TOTAL ALL SECTORS	- 75,486	60,690

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 4A
 SUFFOLK COUNTY
 COUNTY BUSINESS PATTERNS 1970-1981
 PERCENT CHANGE IN EMPLOYMENT

SIC	INDUSTRY	SUFFOLK COUNTY	
		1970-76	1976-81
--	CNT.CONSTRUCTION	- 44.0	116.6
--	MANUFACTURING	- 32.6	- 4.4
20	FOOD & KINDRED	- 33.7	- 30.4
22	TEXTILES	- 22.2	32.6
23	APPAREL	- 31.3	- 12.8
25	FURNITURE & FIX.	- 48.9	- 9.9
26	PAPER	- 33.1	- 14.9
27	PRINT.& PUBLISH.	- 21.8	6.1
28	CHEMICALS	4.3	4.0
30	RUBBER & PLAST.	- 25.4	- 8.0
31	LEATHER	- 57.2	- 45.6
33	PRIMARY METAL	- 43.5	- 18.7
34	FABRICATED METAL	- 25.4	6.8
35	MACHINERY EX.ELEC	- 46.4	17.4
36	ELEC.EQUIP.	- 68.2	53.6
37	TRANSP.EQUIP.	- 6.9	22.2
38	INSTRUMENTS	- 23.8	- 3.1
39	MISC.MANUF.	- 36.5	- 6.0
--	TRANSP.&PUB.UTIL.	- 20.9	- 4.2
41	LOCAL INTERURBAN	- 17.0	- 75.4
42	TRUCKING & WAREH.	- 44.5	- 13.5
45	TRANSP.BY AIR	- 11.9	39.5
47	TRANSP.SERV.	38.1	40.6
48	COMMUNICATION	D	D

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 4B

SUFFOLK COUNTY
 COUNTY BUSINESS PATTERNS 1970-1981
 PERCENT CHANGE IN EMPLOYMENT

SIC	INDUSTRY	SUFFOLK COUNTY	
		1970-76	1976-81
--	WHOLESALE TRADE	- 41.1	0.6
--	RETAIL TRADE	- 21.6	5.9
53	GEN.MERCHANDISE	- 50.0	- 34.6
54	FOOD STORES	- 12.2	5.3
55	AUTO DEALERS-SERV	- 15.5	- 19.2
56	APPAREL	- 35.5	- 14.0
57	FURNITURE	- 29.6	- 19.2
58	EATING&DRINKING	- 4.6	42.3
59	MISC.RETAIL	19.2	0.1
--	FIN.INS.REAL E.	- 5.5	2.9
60	BANKING	- 19.4	19.6
61	CREDIT AGENC.	- 18.5	D
62	SEC.COMM.BROKERS	- 6.6	12.7
63	INSUR.CARRIERS	- 3.6	- 19.5
64	INSUR.AGENTS	7.9	29.3
65	REAL ESTATE	14.7	20.6
67	HOLDING&OTH.INVST	- 17.3	102.7
--	SERVICES	6.0	31.7
70	HOTELS & LODG.	- 47.5	62.2
72	PERSONAL SERV.	- 27.0	- 0.2
73	BUSINESS SERV.	- 1.8	37.6
75	AUTO REPAIR	- 12.8	12.8
76	MISC.REPAIR	- 29.2	16.8
78	MOTION PICT.	- 25.0	D
79	AMUSEMENT & REC.	11.0	59.8
80	HEALTH SERVICES	15.0	30.5
81	LEGAL SERVICES	19.3	54.6
82	EDUCATIONAL SERV.	21.8	57.7
83	SOCIAL & NON-PROF	4.1	- 14.5
84	MUSEUMS	D	D
89	MISC.SERVICES	22.3	- 6.2
--	TOTAL ALL SECTORS	- 16.2	15.5

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 5A

SUFFOLK COUNTY AND MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 SUFFOLK COUNTY PERCENT SHARE OF MASSACHUSETTS EMPLOYMENT

SIC	INDUSTRY	SUFFOLK PERCENT OF MA		
		1970	1976	1981
--	CNT.CONSTRUCTION	24.48	17.38	26.83
--	MANUFACTURING	12.03	9.44	7.94
20	FOOD & KINDRED	31.56	27.53	21.82
22	TEXTILES	2.91	2.76	3.85
23	APPAREL	24.26	19.81	18.88
25	FURNITURE & FIX.	15.82	11.22	9.97
26	PAPER	6.81	5.69	4.77
27	PRINT.& PUBLISH.	34.66	30.19	27.19
28	CHEMICALS	8.56	9.49	8.74
30	RUBBER & PLAST.	4.20	3.70	3.32
31	LEATHER	11.09	7.54	5.02
33	PRIMARY METAL	4.90	2.88	2.10
34	FABRICATED METAL	13.62	9.94	9.01
35	MACHINERY EX.ELEC	7.41	4.22	3.90
36	ELEC.EQUIP.	5.56	2.39	2.90
37	TRANSP.EQUIP.	3.38	4.07	4.20
38	INSTRUMENTS	6.77	4.40	3.03
39	MISC.MANUF.	10.70	6.05	5.66
--	TRANSP.&PUB.UTIL.	42.12	35.57	32.09
41	LOCAL INTERURBAN	51.42	41.58	12.66
42	TRUCKING & WAREH.	22.01	13.77	11.64
45	TRANSP.BY AIR	88.95	94.16	92.37
47	TRANSP.SERV.	44.63	47.16	43.57
48	COMMUNICATION	46.05	D	36.21

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 5B

SUFFOLK COUNTY AND MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 SUFFOLK COUNTY PERCENT SHARE OF MASSACHUSETTS EMPLOYMENT

SIC	INDUSTRY	SUFFOLK PERCENT OF MA		
		1970	1976	1981
--	WHOLESALE TRADE	33.90	21.39	17.52
--	RETAIL TRADE	19.12	14.39	13.24
53	GEN. MERCHANDISE	24.52	18.17	12.14
54	FOOD STORES	14.10	11.10	10.65
55	AUTO DEALERS-SERV	9.99	8.59	6.52
56	APPAREL	21.86	15.46	12.84
57	FURNITURE	16.11	11.74	9.26
58	EATING&DRINKING	21.88	17.05	17.76
59	MISC. RETAIL	17.08	15.49	14.59
--	FIN. INS. REAL E.	53.37	46.80	41.01
60	BANKING	47.23	36.82	36.36
61	CREDIT AGENC.	27.66	19.94	D
62	SEC. COMM. BROKERS	89.54	86.58	84.65
63	INSUR. CARRIERS	65.06	67.78	46.23
64	INSUR. AGENTS	40.68	27.43	35.73
65	REAL ESTATE	34.76	40.14	36.99
67	HOLDING&OTH. INVST	59.78	45.98	62.44
--	SERVICES	32.38	29.77	27.48
70	HOTELS & LODG.	36.42	23.39	26.89
72	PERSONAL SERV.	20.80	18.46	16.24
73	BUSINESS SERV.	44.11	37.29	29.91
75	AUTO REPAIR	30.28	24.72	22.83
76	MISC. REPAIR	25.29	18.30	16.14
78	MOTION PICT.	48.51	40.28	D
79	AMUSEMENT & REC.	23.81	20.08	22.29
80	HEALTH SERVICES	29.55	26.96	26.12
81	LEGAL SERVICES	57.83	55.95	58.79
82	EDUCATIONAL SERV.	21.76	25.99	26.69
83	SOCIAL & NON-PROF	37.38	27.54	27.64
84	MUSEUMS	29.29	D	66.71
89	MISC. SERVICES	46.53	49.71	34.62
--	TOTAL ALL SECTORS	24.07	20.73	19.46

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 6A
 MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 EMPLOYMENT BY TYPE OF BUSINESS

SIC	INDUSTRY	MASSACHUSETTS		
		1970	1976	1981
—	CNT.CONSTRUCTION	83,454	65,748	92,265
—	MANUFACTURING	699,442	601,206	683,759
20	FOOD & KINDRED	36,861	28,031	24,616
22	TEXTILES	31,461	25,757	24,502
23	APPAREL	51,215	43,081	39,405
25	FURNITURE & FIX.	10,369	7,467	7,572
26	PAPER	35,716	28,622	29,049
27	PRINT.& PUBLISH.	45,361	40,700	47,929
28	CHEMICALS	16,128	15,180	17,154
30	RUBBER & PLAST.	36,935	31,244	32,066
31	LEATHER	38,037	23,920	19,523
33	PRIMARY METAL	18,967	18,213	20,323
34	FABRICATED METAL	42,255	43,186	50,872
35	MACHINERY EX.ELEC	83,583	78,654	99,994
36	ELEC.EQUIP.	101,013	74,662	94,359
37	TRANSP.EQUIP.	26,631	20,567	24,373
38	INSTRUMENTS	34,246	40,164	56,618
39	MISC.MANUF.	23,235	26,089	26,211
—	TRANSP.&PUB.UTIL.	113,240	106,090	112,675
41	LOCAL INTERURBAN	18,654	19,143	15,456
42	TRUCKING & WAREH.	27,758	24,603	25,196
45	TRANSP.BY AIR	8,119	6,758	9,608
47	TRANSP.SERV.	3,350	4,377	6,659
48	COMMUNICATION	33,976	32,797	35,425

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 6B

MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 EMPLOYMENT BY TYPE OF BUSINESS

SIC	INDUSTRY	MASSACHUSETTS		
		1970	1976	1981
—	WHOLESALE TRADE	119,247	111,328	136,788
—	RETAIL TRADE	370,316	385,808	444,010
53	GEN.MERCHANDISE	76,328	51,459	50,415
54	FOOD STORES	60,650	67,630	74,225
55	AUTO DEALERS-SERV	38,764	38,073	40,501
56	APPAREL	29,561	26,985	27,936
57	FURNITURE	14,057	13,589	13,908
58	EATING&DRINKING	79,274	97,032	132,527
59	MISC.RETAIL	46,555	61,223	65,094
—	FIN.INS.REAL E.	132,243	142,523	167,437
60	BANKING	37,805	39,081	47,328
61	CREDIT AGENC.	6,955	7,867	10,502
62	SEC.COMM.BROKERS	7,037	6,796	7,837
63	INSUR.CARRIERS	51,104	47,278	55,769
64	INSUR.AGENTS	11,001	17,597	17,469
65	REAL ESTATE	15,669	15,568	20,370
67	HOLDING&OTH.INVST	2,091	2,249	3,357
—	SERVICES	404,595	466,682	665,809
70	HOTELS & LODG.	18,747	15,319	21,616
72	PERSONAL SERV.	28,826	23,710	26,892
73	BUSINESS SERV.	54,669	63,479	108,895
75	AUTO REPAIR	11,494	12,281	15,005
76	MISC.REPAIR	5,116	5,006	6,628
78	MOTION PICT.	4,978	4,499	3,981
79	AMUSEMENT & REC.	8,327	10,966	15,787
80	HEALTH SERVICES	129,878	163,723	220,477
81	LEGAL SERVICES	8,113	10,005	14,718
82	EDUCATIONAL SERV.	69,041	70,427	108,144
83	SOCIAL & NON-PROF	36,369	51,363	43,744
84	MUSEUMS	1,427	1,661	1,643
89	MISC.SERVICES	26,322	30,133	40,570
—	TOTAL ALL SECTORS	1,939,829	1,888,438	2,324,185

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 7A

MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 PERCENT DISTRIBUTION OF EMPLOYMENT BY TYPE OF BUSINESS

SIC	INDUSTRY	MASSACHUSETTS		
		1970	1976	1981
—	CNT. CONSTRUCTION	4.3	3.5	4.0
—	MANUFACTURING	36.1	31.8	29.4
20	FOOD & KINDRED	1.9	1.5	1.1
22	TEXTILES	1.6	1.4	1.1
23	APPAREL	2.6	2.3	1.7
25	FURNITURE & FIX.	0.5	0.4	0.3
26	PAPER	1.8	1.5	1.2
27	PRINT. & PUBLISH.	2.3	2.2	2.1
28	CHEMICALS	0.8	0.8	0.7
30	RUBBER & PLAST.	1.9	1.7	1.4
31	LEATHER	2.0	1.3	0.8
33	PRIMARY METAL	1.0	1.0	0.9
34	FABRICATED METAL	2.2	2.3	2.2
35	MACHINERY EX. ELEC	4.3	4.2	4.3
36	ELEC. EQUIP.	5.2	4.0	4.1
37	TRANSP. EQUIP.	1.4	1.1	1.0
38	INSTRUMENTS	1.8	2.1	2.4
39	MISC. MANUF.	1.2	1.4	1.1
—	TRANSP. & PUB. UTIL.	5.8	5.6	4.8
41	LOCAL INTERURBAN	1.0	1.0	0.7
42	TRUCKING & WAREH.	1.4	1.3	1.1
45	TRANSP. BY AIR	0.4	0.4	0.4
47	TRANSP. SERV.	0.2	0.2	0.3
48	COMMUNICATION	1.8	1.7	1.5

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 7B

MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 PERCENT DISTRIBUTION OF EMPLOYMENT BY TYPE OF BUSINESS

SIC	INDUSTRY	MASSACHUSETTS		
		1970	1976	1981
—	WHOLESALE TRADE	6.1	5.9	5.9
—	RETAIL TRADE	19.1	20.4	19.1
53	GEN.MERCHANDISE	3.9	2.7	2.2
54	FOOD STORES	3.1	3.6	3.2
55	AUTO DEALERS-SERV	2.0	2.0	1.7
56	APPAREL	1.5	1.4	1.2
57	FURNITURE	0.7	0.7	0.6
58	EATING&DRINKING	4.1	5.1	5.7
59	MISC.RETAIL	2.4	3.2	2.8
—	FIN.INS.REAL E.	6.8	7.5	7.2
60	BANKING	1.9	2.1	2.0
61	CREDIT AGENC.	0.4	0.4	0.5
62	SEC.COMM.BROKERS	0.4	0.4	0.3
63	INSUR.CARRIERS	2.6	2.5	2.4
64	INSUR.AGENTS	0.6	0.9	0.8
65	REAL ESTATE	0.8	0.8	0.9
67	HOLDING&OTH. INVST	0.1	0.1	0.1
—	SERVICES	20.9	24.7	28.6
70	HOTELS & LODG.	1.0	0.8	0.9
72	PERSONAL SERV.	1.5	1.3	1.2
73	BUSINESS SERV.	2.8	3.4	4.7
75	AUTO REPAIR	0.6	0.7	0.6
76	MISC.REPAIR	0.3	0.3	0.3
78	MOTION PICT.	0.3	0.2	0.2
79	AMUSEMENT & REC.	0.4	0.6	0.7
80	HEALTH SERVICES	6.7	8.7	9.5
81	LEGAL SERVICES	0.4	0.5	0.6
82	EDUCATIONAL SERV.	3.6	3.7	4.7
83	SOCIAL & NON-PROF	1.9	2.7	1.9
84	MUSEUMS	0.1	0.1	0.1
89	MISC.SERVICES	1.4	1.6	1.7
—	TOTAL ALL SECTORS	100.0	100.0	100.0

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 8A

MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 CHANGE IN NUMBER OF EMPLOYEES

SIC	INDUSTRY	MASSACHUSETTS	
		1970-76	1976-81
—	CNT.CONSTRUCTION	—	17,706
—	MANUFACTURING	—	26,517
—	FOOD & KINDRED	—	98,236
20	TEXTILES	—	8,830
22	APPAREL	—	5,704
23	FURNITURE & FIX.	—	8,134
25	PAPER	—	2,902
26	PRINT.& PUBLISH.	—	7,094
27	CHEMICALS	—	4,661
28	RUBBER & PLAST.	—	948
30	LEATHER	—	5,691
31	PRIMARY METAL	—	14,117
33	FABRICATED METAL	—	754
34	MACHINERY EX.ELEC	—	931
35	ELEC.EQUIP.	—	4,929
36	TRANSP.EQUIP.	—	26,351
37	INSTRUMENTS	—	6,064
38	MISC.MANUF.	—	5,918
39	TRANSP.&PUB.UTIL.	—	2,854
41	LOCAL INTERURBAN	—	7,150
42	TRUCKING & WAREH.	—	489
45	TRANSP.BY AIR	—	3,155
47	TRANSP.SERV.	—	1,361
48	COMMUNICATION	—	1,027
		—	1,179
			2,282
			2,628

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 8B
 MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 CHANGE IN NUMBER OF EMPLOYEES

SIC	INDUSTRY	MASSACHUSETTS	
		1970-76	1976-81
--	WHOLESALE TRADE	-	7,919 25,460
--	RETAIL TRADE		15,492 58,202
53	GEN.MERCHANDISE	-	24,869 - 1,044
54	FOOD STORES		6,980 6,595
55	AUTO DEALERS-SERV	-	691 2,428
56	APPAREL	-	2,576 951
57	FURNITURE	-	468 319
58	EATING&DRINKING		17,758 35,495
59	MISC.RETAIL		14,668 3,871
—	FIN.INS.REAL E.		10,280 24,914
60	BANKING		1,276 8,247
61	CREDIT AGENC.		912 2,635
62	SEC.COMM.BROKERS	-	241 1,041
63	INSUR.CARRIERS	-	3,826 8,491
64	INSUR.AGENTS		6,596 - 128
65	REAL ESTATE	-	101 4,802
67	HOLDING&OTH.INVST		158 1,108
—	SERVICES		62,087 199,127
70	HOTELS & LODG.	-	3,428 6,297
72	PERSONAL SERV.	-	5,116 3,182
73	BUSINESS SERV.		8,810 45,416
75	AUTO REPAIR		787 2,724
76	MISC.REPAIR	-	110 1,622
78	MOTION PICT.	-	479 - 518
79	AMUSEMENT & REC.		2,639 4,821
80	HEALTH SERVICES		33,845 56,754
81	LEGAL SERVICES		1,892 4,713
82	EDUCATIONAL SERV.		1,386 37,717
83	SOCIAL & NON-PROF		14,994 - 7,619
84	MUSEUMS		234 - 18
89	MISC.SERVICES		3,811 10,437
--	TOTAL ALL SECTORS	-	51,391 435,747

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 9A
 MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 PERCENT CHANGE IN EMPLOYMENT

SIC	INDUSTRY	MASSACHUSETTS	
		1970-76	1976-81
—	CNT.CONSTRUCTION	- 21.2	40.3
—	MANUFACTURING	- 14.0	13.7
20	FOOD & KINDRED	- 24.0	- 12.2
22	TEXTILES	- 18.1	- 4.9
23	APPAREL	- 15.9	- 8.5
25	FURNITURE & FIX.	- 28.0	1.4
26	PAPER	- 19.9	1.5
27	PRINT.& PUBLISH.	- 10.3	17.8
28	CHEMICALS	- 5.9	13.0
30	RUBBER & PLAST.	- 15.4	2.6
31	LEATHER	- 37.1	- 18.4
33	PRIMARY METAL	- 4.0	11.6
34	FABRICATED METAL	2.2	17.8
35	MACHINERY EX.ELEC	- 5.9	27.1
36	ELEC.EQUIP.	- 26.1	26.4
37	TRANSP.EQUIP.	- 22.8	18.5
38	INSTRUMENTS	17.3	41.0
39	MISC.MANUF.	12.3	0.5
—	TRANSP.&PUB.UTIL.	- 6.3	6.2
41	LOCAL INTERURBAN	2.6	- 19.3
42	TRUCKING & WAREH.	- 11.4	2.4
45	TRANSP.BY AIR	- 16.8	42.2
47	TRANSP.SERV.	30.7	52.1
48	COMMUNICATION	- 3.5	8.0

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.

TABLE 9B

MASSACHUSETTS
 COUNTY BUSINESS PATTERNS 1970-1981
 PERCENT CHANGE IN EMPLOYMENT

SIC	INDUSTRY	MASSACHUSETTS	
		1970-76	1976-81
—	WHOLESALE TRADE	- 6.6	22.9
—	RETAIL TRADE	4.2	15.1
53	GEN. MERCHANTISE	- 32.6	- 2.0
54	FOOD STORES	11.5	9.8
55	AUTO DEALERS-SERV	- 1.8	6.4
56	APPAREL	- 8.7	3.5
57	FURNITURE	- 3.3	2.3
58	EATING&DRINKING	22.4	36.6
59	MISC.RETAIL	31.5	6.3
—	FIN. INS. REAL E.	7.8	17.5
60	BANKING	3.4	21.1
61	CREDIT AGENC.	13.1	33.5
62	SEC. COMM. BROKERS	- 3.4	15.3
63	INSUR. CARRIERS	- 7.5	18.0
64	INSUR. AGENTS	60.0	- 0.7
65	REAL ESTATE	- 0.6	30.8
67	HOLDING&OTH. INVST	7.6	49.3
—	SERVICES	15.3	42.7
70	HOTELS & LODG.	- 18.3	41.1
72	PERSONAL SERV.	- 17.7	13.4
73	BUSINESS SERV.	16.1	71.5
75	AUTO REPAIR	6.8	22.2
76	MISC. REPAIR	- 2.2	32.4
78	MOTION PICT.	- 9.6	- 11.5
79	AMUSEMENT & REC.	31.7	44.0
80	HEALTH SERVICES	26.1	34.7
81	LEGAL SERVICES	23.3	47.1
82	EDUCATIONAL SERV.	2.0	53.6
83	SOCIAL & NON-PROF	41.2	- 14.8
84	MUSEUMS	16.4	- 1.1
89	MISC. SERVICES	14.5	34.6
—	TOTAL ALL SECTORS	- 2.6	23.1

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS,
 COUNTY BUSINESS PATTERNS, ANNUAL REPORTS.



